

IN THE CLAIMS

Please amend the claims to read as follows:

Listing of Claims

1. (Original) A radio communication apparatus comprising:  
generating means for generating noise data of a white  
Gaussian noise;  
adding means for adding received data and the noise data;  
channel estimating means for performing channel estimation  
using the received data with the noise data added; and  
pre-equalization processing means for performing  
pre-equalization on transmission data based on a result of the  
channel estimation in said channel estimating means.

2-8. (Canceled).

9. (Original) A communication terminal apparatus having a  
radio communication apparatus, said radio communication apparatus  
comprising:  
generating means for generating noise data of a white  
Gaussian noise;  
adding means for adding received data and the noise data;

channel estimating means for performing channel estimation using the received data with the noise data added; and  
pre-equalization processing means for performing pre-equalization on transmission data based on a result of the channel estimation in said channel estimating means.

10. (Original) A base station apparatus having a radio communication apparatus, said radio communication apparatus comprising:

generating means for generating noise data of a white Gaussian noise;  
adding means for adding received data and the noise data;  
channel estimating means for performing channel estimation using the received data with the noise data added; and  
pre-equalization processing means for performing pre-equalization on transmission data based on a result of the channel estimation in said channel estimating means.

11. (Canceled) .

12. (Currently Amended) A ~~channel-estimating pre-~~  
equalization processing method, comprising:

generating noise data of a white Gaussian noise;

adding received data and the noise data; and  
performing channel estimation using the received data with  
the noise data added; and  
performing pre-equalization on transmission data based on  
the channel estimated result.

13-14. (Canceled).